

Water Quality Studies on the Great Salt Lake, Utah

Developing a Selenium Standard

Science Panel Recommendations for Additional
Studies/Analysis



Recommended Additional Studies

1. Spring Synoptic Survey

- Brine Shrimp/Water/Seston
- Capture first growth cycle of brine shrimp
- \$45,000

2. Gull Survey

- Verification of nesting bird blood concentrations in 2 colonies
- Compare to “fresh water” colony control
- \$35,000

3. Shorebird Survey

- Trap 10 nesting female shorebirds, collect blood, liver, egg
- Verify blood concentrations, provide direct connection between blood and egg
- \$30,000



Recommended Additional Studies

4. Additional Sediment Cores

- Originally identified 3 not knowing importance of Selenium losses from GSL
- 2 of 3 cores had inconclusive dating, only have sedimentation rate from one location
- Importance of sedimentation losses
- \$30,000

5. CH2M HILL oversight/modeling

- Additional modeling, analysis, 5 “new” projects, extended schedule
- \$80,000

6. Additional Laboratory Analysis

- \$40,000



Recommended Additional Studies

Preliminary Estimated Cost of
Additional Studies - \$260,000

